

You can't beat the convenience of a

Rō-Way ELECTRIC OPERATOR

MODEL 70

for residential garage doors



4d
Ro

Unlocks Door



Opens Door



Turns On Light



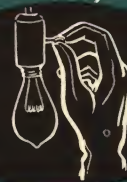
Closes Door



Locks Door



Turns Off Light



1 switch does all **6**

ROWE MANUFACTURING COMPANY • GALESBURG, ILLINOIS, U. S. A.

Rō-Way OVERHEAD TYPE

Doors and Electric Door Operators

PRODUCTS OF ROWE MANUFACTURING CO., GALESBURG, ILL., U.S.A.

FIG. 1—Model 70 Ro-Way Electric Operator installed on a 15' x 7' two-car Ro-Way Overhead Type Door. Equipment shown includes Remote Control unit, available at extra cost.

FIG. 1

MODEL 70 RO-WAY ELECTRIC OPERATOR

For residential garage doors not over 16'0" wide by 8'0" high

Talk about convenience! This new Model 70 Ro-Way Electric Operator for residential garage doors does *six* chores at the flick of a switch! Unlocks and opens the door . . . turns lights on and off . . . closes and locks the door. *And all automatically.* Saves time, saves work, saves you.

New in design, Model 70 is made and backed by one of the oldest and largest manufacturers of overhead type doors. Ruggedly built for years of active service. Easily installed on 1 or 2 car overhead type garage doors.

FIG. 2—MODEL 70 POWER ASSEMBLY. Built in the Ro-Way factory—the result of years of engineering research. Simple in construction—yet husky and reliable. Standard 1/4 h.p. motor is directly connected to a worm-gear speed reducer. Positive limit switches control up and down movement of door—easily adjustable to different height doors. Roller chain to track carriage is quiet and positive in operation. Electric control relays are in box on lower side of base of operator unit. Plug-in outlet provides connection for push button stations, key post switches or other control stations.

FIG. 3—TRACK CARRIAGE. Illustration shows track carriage with connecting arm attached to top rail of door. Bracket attached to end of carriage tube is mounted on header above door. Door opens and closes as carriage moves along tube. In case of electric power failure, pull-chain easily releases pin in connecting arm to permit temporary manual operation.

FIG. 3

Ro-Way OVERHEAD TYPE Doors and Electric Door Operators

PRODUCTS OF ROWE MANUFACTURING CO., GALESBURG, ILL., U.S.A.

4d
Ro

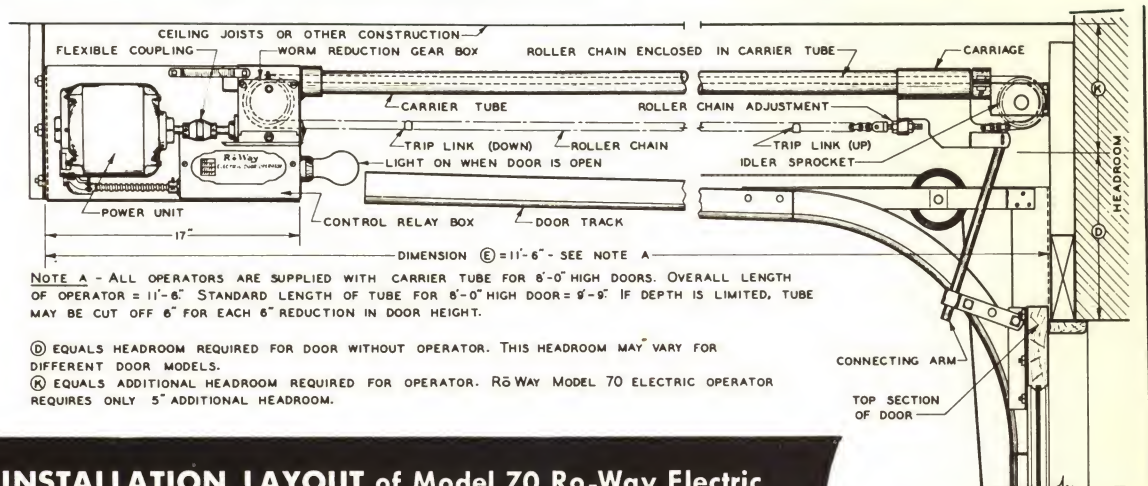


FIG. 4

FIG. 4—INSTALLATION LAYOUT of Model 70 Ro-Way Electric Door Operator. Note especially only 5" additional headroom required to accommodate Operator. Total depth required: 11'-6".

Model 70 Ro-Way Electric Door Operator is designed for residential sectional overhead type garage doors only—not larger than 16' 0" wide x 8' 0" high. Equipped with ¼ h.p. standard reversible motor, it opens or closes the door at a speed of 1½ feet per second. Motor is wound for 110 volt, 60 cycle, single phase alternating current (special motors available at extra cost), and is protected against overload by thermal cutout. Friction disc safety clutch stops door if it meets any obstruction. Polarized plug receptacles provided on rear of base plate for power supply, push-button control wires, and for remote control equipment. Standard outlet for lamp on front side of electric relay box. Up to 500 watts may be connected to this outlet for garage or yard lamps which light as door is opened.

WORM GEAR SPEED REDUCER, CHAIN DRIVE SPROCKET AND FRICTION CLUTCH. Shown in the cutaway view at the right (Fig. 6). The Model 70 Operator features a sturdy, silent worm gear speed reducer—no bulky V-belts to slip or require adjustment. Drive worm and gear run in an oil bath. Roller bearings with oil retainer seals are used throughout.

Friction clutch is easily adjustable to provide proper tension for movement of the door.

Limit switches are operated by trip links located on roller drive chain, which automatically stop door when it has reached the fully open or fully closed position.

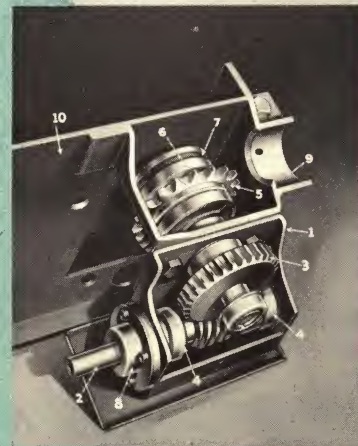


FIG. 6—DRIVE AND WORM REDUCING GEAR MECHANISM. 1—Gear case; 2—worm shaft and worm; 3—worm gear; 4—end thrust ball bearings; 5—roller chain driving sprocket; 6—safety clutch—twin disc; 7—clutch compression springs; 8—enclosed oil seal; 9—carrier tube bracket; 10—mounting base.

FIG. 7—STANDARD CONTROLS.

Operation of Model 70 Ro-Way Electric Operator is of the single button momentary contact type. Equipment includes one single-button control switch (No. R-471, as shown) which provides OPEN-STOP-CLOSE-STOP operation. Door may be stopped in any position, but must complete direction of travel before reversing. Additional push button stations, also shown in Fig. 7, are available at extra cost.

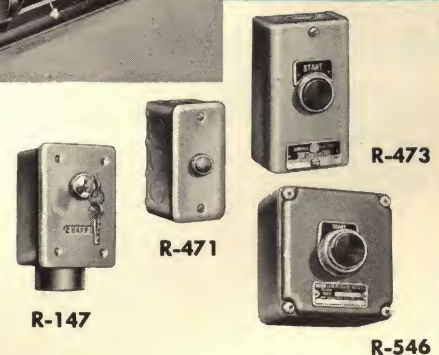
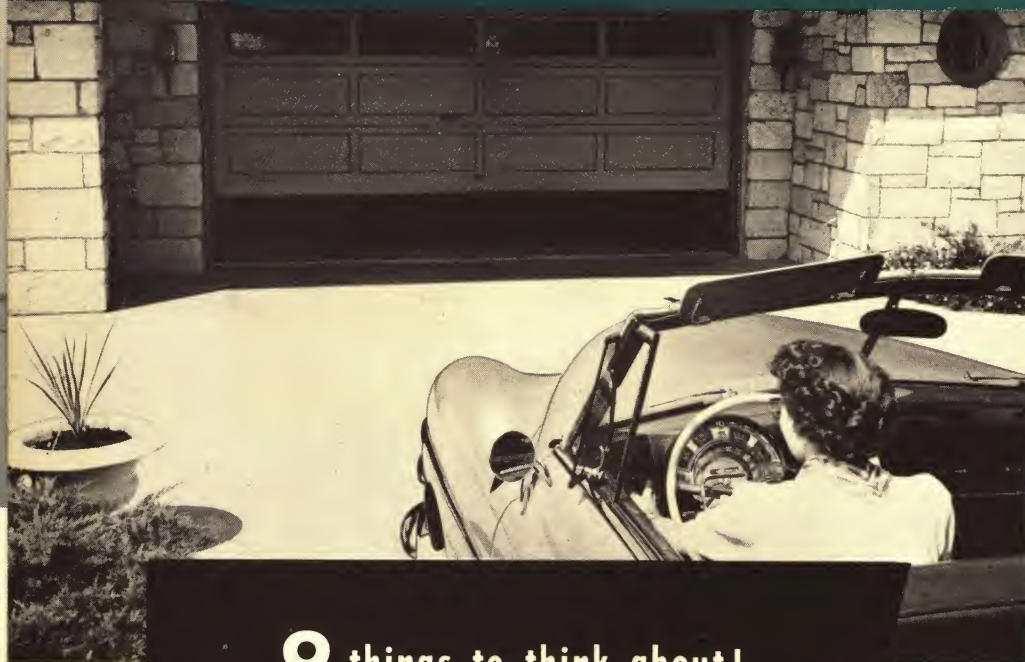


FIG. 7

Rō-Way OVERHEAD
TYPE

Doors and Electric Door Operators

PRODUCTS OF ROWE MANUFACTURING CO., GALESBURG, ILL., U.S.A.



9 things to think about!
you get them all in the
MODEL 70 Rō-Way ELECTRIC OPERATOR!

- Automatically opens, closes and locks your garage door
- Turns garage lights on and off
- Automatic Safety Clutch—stops movement if door meets obstacle
- Requires minimum clearance for installation
- Door can be opened manually if power fails or is shut off
- Built-in Thermal Circuit Breaker protects motor against overload
- Direct drive—power is transmitted directly to door from 1/4 h.p. motor through worm gear type speed reducer
- Limit switches cut current when door reaches full open or closed position
- Economical and easy installation—power assembly is built in Ro-Way factory

there's a Ro-Way for every Doorway!



Manufactured by ROWE MANUFACTURING COMPANY Galesburg, Illinois, U.S.A.

Form No. D-317A

INSTALLATION REQUIREMENTS

1. Model 70 Ro-Way Electric Door Operator is for residential use only with sectional overhead type doors not over 16' 0" wide by 8' 0" high.
2. Headroom required—5 inches over highest point of door travel. Depth required—11' 6" from inside face of wall above opening.
3. Motor is regularly furnished wound for 110 volt, 60 cycle, single phase alternating current, 1/4 h.p. (Other motors for special currents or conditions available at extra cost.) Controls and control circuit are 110 volt, and one single-button control station on 2-foot extension cord is included.
4. Temporary 3-foot extension power cord is included as regular equipment.
5. All electrical connections, both power and control circuits, are made at plug-in receptacles on back of base plate.
6. Light bulb outlet on control will handle up to 50 watts capacity. Note: Bulb not included.

WIRING: Requires only one circuit running from 110 volt, 60 cycle AC outlet to motor. Additional control points may be wired to house or within garage.

ARCHITECTS' SPECIFICATIONS

Overhead type door shall be equipped with Ro-Way Residential Type Electric Operator, Model No. 70, as made by Rowe Mfg. Co., Galesburg, Illinois. Electric Operator shall be equipped with safety clutch, limit switches, built-in worm gear speed reducer, 1/4 h.p. motor wound for 110 volt, single phase, 60 cycle AC, protected with thermal circuit breaker. One single-button control station shall be included. (If remote control is required, add: Ro-Way Remote Control shall be included so that door may be opened and closed by pushing a button on instrument panel of car.)

Printed in U.S.A.



DASHBOARD CONTROLLED

Rō-Way

ELECTRIC OPERATOR

for Overhead Type Garage
Doors

*Just press a button in your car—Electronic Impulse
opens and closes door, turns lights on and off!*

Drizzle or downpour, snow or blow, night or day—with a Dashboard Controlled Rō-Way Electric Operator you don't even leave your car to unlock and open the garage door and turn on the light! You just touch a button on the dashboard—and it's all done for you!

When you're safely in—or backing out—touching the dash button closes and locks door, turns out light.

Here's how it works—from any point within approximately 30 to 60 feet of your garage (see Fig. 14). When you touch the dash button, a simple transmitter installed under the hood of your car sends out an electronic impulse. This impulse is picked up by a synchronized receiver in your garage (Fig. 13) which actuates the door operator automatically.

And it always works! Never affected by rain, snow or ice on the driveway. Operation is instant, positive—no work, no inconvenience, no exposure to weather.

Your transmitter is individually tuned to your receiver for protection against unauthorized outsiders opening your door. If more than one car in family, all transmitters are tuned to single receiver.

Decide now to enjoy the wonderful convenience of this new Dash Controlled Rō-Way Electric Operator.

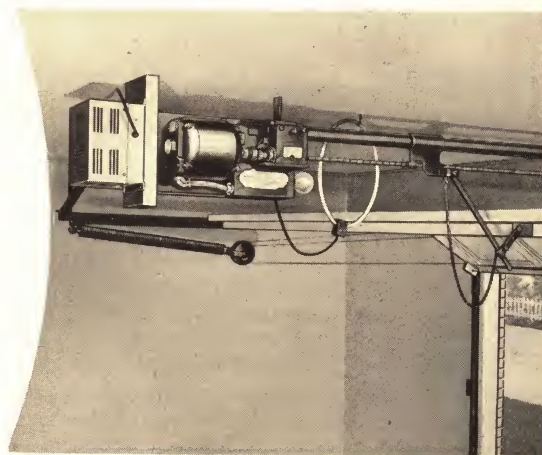


FIG. 13—Receiver in garage is tuned to transmitter in your car—picks up electronic impulse to actuate door operator.

CONTROL GARAGE DOOR AND LIGHTS FROM ANY POINT WITHIN APPROXIMATELY 30 TO 60 FEET!

From any point **INSIDE** garage—or within approximately 30 to 60 FEET **OUTSIDE**—your dashboard control unlocks and opens your garage door and turns on the light as you approach—closes and locks door and turns out the light as you leave.



FIG. 14

MODEL 70 **Ro-Way** ELECTRIC DOOR OPERATOR

Available With Dashboard Control!



Fig. 8—PRESS DASHBOARD BUTTON

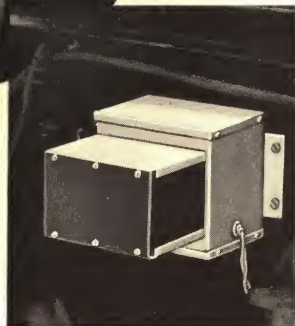


Fig. 9—TRANSMITTER SENDS IMPULSE

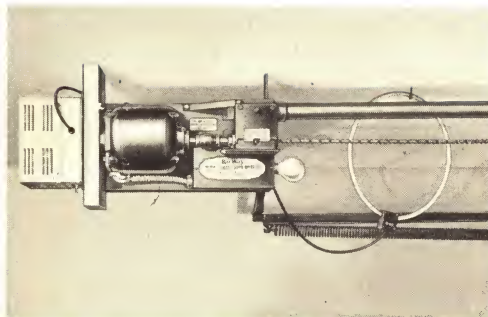


Fig. 10—RECEIVER PICKS UP IMPULSE—OPERATES POWER UNIT

Your garage door *AUTOMATICALLY*
—opens when you approach
—closes when you leave

The ultimate in garage door convenience—the Model 70 Ro-Way Electric Operator with Dashboard Control! As you approach your garage, just press a button on the dashboard of your car, and presto!—your garage door is automatically unlocked and opened, and your garage lights are turned on! No need to get out of your car—at night, or in rain or snow or freezing weather. When going out, you press the button again—out goes the light, down comes the door, and it's automatically locked.

Magic? No. Just a simple transmitter and receiver, utilizing the principle of electronic impulse. Transmitter is installed in your car, (Fig. 11, 12) and connected to battery through ignition switch. Receiver is installed in garage (Fig. 10) adjacent to power unit of Model 70 Ro-Way Electric Operator, with antenna hung on wall or suspended from ceiling.

SPECIAL FEATURES

- Operates from any point within approximately 30 to 60 feet of your garage.
- Transmitter is individually tuned to your receiver.
- No wires to stretch—no digging—no annoyance. No switches buried in driveway. Transmitter can be removed when car is sold or traded.
- Easily and quickly installed—no complicated mechanism.
- Saves heat in garage—door can be quickly closed without leaving car.

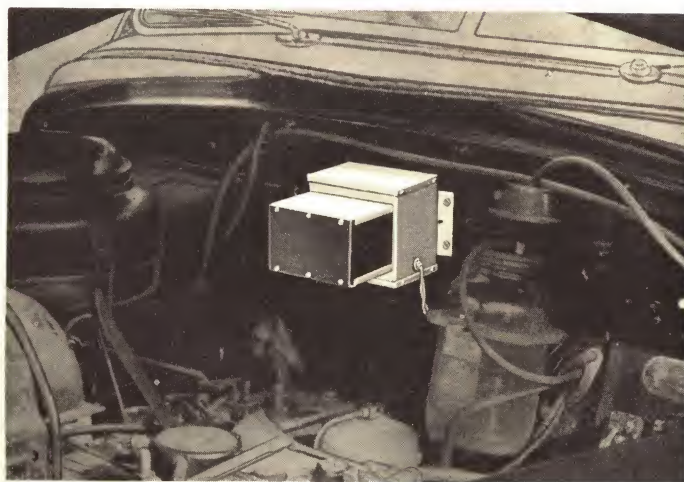


FIG. 11—Dashboard Remote Control Transmitter installed on firewall of car.

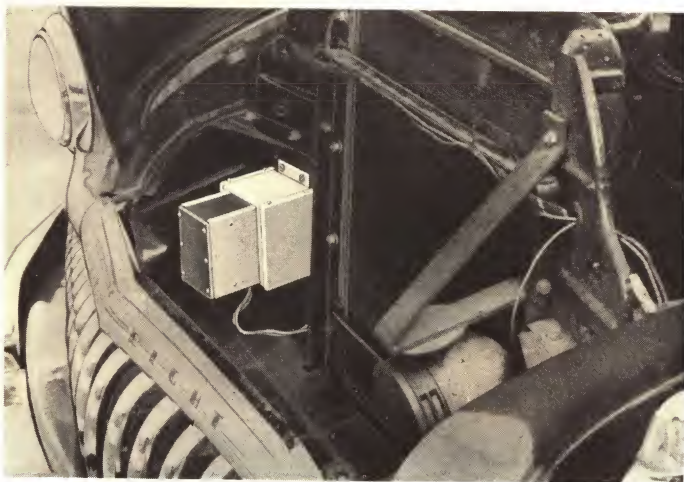


FIG. 12—Transmitter installed in back of grille, adjacent to radiator.

ROWE MANUFACTURING CO.
 Galesburg, Ill. U.S.A. Established 1908